

Georgia Department of Natural Resources

4244 International Parkway, Suite 114, Atlanta, GA 30354

Lonice C. Barrett, Commissioner
Harold F. Reheis, Director
Environmental Protection Division
404-362-2675
FAX: 404-362-2653

March 3, 2003

Mr. Jack Ramsey, PE
Radiation Safety Officer
Metso Automation USA, Inc.
3100 Medlock Bridge Road, Suite 250
Norcross, GA 30071

Dear Mr. Ramsey:

I have completed the initial review of Metso's application for Sealed Source and Device Evaluation (SS&D) for the PaperLab Filler Module. Before I can finish the review, I will need answers to the following questions:

1. Regarding the manufacturer's address: Is Kajaani in Finland?
2. Has there been a SS&D evaluation performed on the 20 mCi Fe-55 source, model Xfe5.321, manufactured by Khlopin Radium Institute? What is the loading tolerance on the activity of the source (i.e., $\pm 10\%$, etc.)?
3. To help in determining a general use of the device, what would be an expected average number of cycles per year the device would be operated? What is the anticipated service life of the device, in both years, and/or total cycles?
4. What purpose does the lower module serve? Does the PaperLab Filler Module operate as a backscatter device? No mention was made of it in the application.
5. What action by the device operator causes the shutter to open (i.e., pushing a button, inserting the paper sample, electronic interface on a touch-screen, etc.)? What action(s) will cause the shutter to close? Please include a description of the interlocks mentioned in section 6.1 of the application.
6. The brochure information indicates that the test duration is 10-30 seconds. Is this the length of time the shutter is open each time it is cycled?
7. What is the maximum size of the opening leading from the exterior of the unit to the shutter (i.e., paper gap)?
8. Please provide a copy of the Operator's Manual that Metso will provide to its customers. Additionally, because of a revision to the Georgia Rules and Regulations for Radioactive Materials, Chapter 391-3-17, effective April 18, 2002, some of the items listed in section 5.3 of your application are no longer correct. Please commit to providing the information identified in Rule .02(11)(d)4.(i) to each generally licensed recipient.
9. The application describes the shutter position indicator for the upper module. Describe the shutter position indicators located on the exterior of the entire unit. These could include indications on a user interface touch screen.

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Upon receipt of answers to these questions, I will be able to complete my portion of the review and forward it for concurrence review. If you have any questions, please contact me via telephone at 404-362-2675, or via electronic mail at ejameson@dnr.state.ga.us.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Jameson", with a long, sweeping horizontal stroke extending to the right.

Eric T. Jameson
Environmental Radiation Specialist
Radioactive Materials Program